



INTERCOLLEGIATE
BROADCASTING
SYSTEM

507 FIFTH AVENUE NEW YORK 17, N. Y. MUrray Hill 2-8288

14 October 1947

Miss Marjorie Boselly
Chapin House
Smith College
Northampton, Mass

Dear Miss Boselly,

Thank you very much for your long letter and the application for Trial Status. The application is entirely in order and you will receive a certificate of Trial Status soon.

I hope that you and some of your staff will be able to attend the meetings this coming week end at Brown. Most of the officers of the national organization will be there, together with personnel of our stations in New England and New York state. You will have an opportunity to talk with our Technical Manager, David Borst, and this may save considerable time in planning your installation.

In answer to your questions, it will not be necessary under any conditions for you to install your own transformers. It is advisable to connect the signal from your transmitter to the low voltage side of the existing transformers; the transformers will then prevent the signal from traveling back on the electrical lines into the town. This means that you should install wire lines from the studio location to the different transformer locations, or to buildings near them.

to be supervised here?

I do not believe that the projected change in the power supply will alter the design of the station unless some of the existing transformers are removed in the process. If you will refer to your copy of the supplementary sheets enclosed with your letter, you will find that the distribution system is to be college owned, and there should be no difficulty in making connections to the college owned portion. It is not desirable to connect to 2300 volt circuits, even if it were allowed. Your connections should be made to the 4 wire 120/208 volt secondaries. The few buildings located off campus probably cannot be served by the station at the outset.

The frequencies specified in our Code are low ones, the lowest which a standard radio receiver will pick up. They are used for campus stations because the regulation under which we operate is so worded that greater radiation is

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allowed at low frequencies and it is therefore easier to meet the requirements of the law. These low frequencies will travel through transformers to a certain degree, but we do not recommend this form of transmission where there is any alternative.

You could use the studios of a local radio station, but you will soon find these facilities inadequate, I suspect. A campus station really needs studios and office space on the campus which are accessible at all times and convenient to living areas, and which are not being used by someone else. I presume the station to which you refer is WHYN, but I am not sufficiently familiar with their schedule to know when their Northampton studio is in use.

find electrical center of campus
In any event, your transmitter should be located centrally on the campus. The lines which run from the transmitter to the connection points should not be too long, but the line from the transmitter to the studio may be any length. This line may be leased from the telephone company, or installed by you.

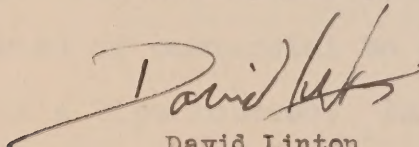
No special transformer will be necessary.

It will greatly facilitate the design of a transmission system for your campus if you can obtain a map of the campus and mark it as described on the enclosed sheet. You can save time if this map can be brought to Providence, where you can go over it with some of our engineers, but I realise that this may not be possible in such a short time.

Your dues to IBS do not include any line charges. The dues finance the operation of the organization and its functions as a trade association and general clearing house. The networks do not extend over the entire country and are not participated in by all stations to the same extent, so the dues fund, which is paid for by all stations, is not used to finance them. The networks are financed from the income from commercial programs carried on each net, the stations of the network receiving a proportionally lower rate for their time. In some cases, small regional networks have been financed by contributions from the stations involved.

I know that you will have a number of additional questions. I am looking forward to meeting you next Saturday, and will do my best to answer them.

Cordially yours,



David Linton
Program Manager

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